

Amendments to the Specification:

Please replace paragraph [0005] of the published application (No. 2007/0119841) with the following amended paragraph:

[0007]

A welding power supply unit 105 applies the predetermine welding current I and welding voltage V between the welding wire 101 and a base material 107 that is a workpiece through the welding torch 104 and a welding ~~chip~~ tip 106, thereby to generate an arc 108 and control the wire feeding motor 103.

Please replace paragraph [0021] with the following amended paragraph:

[0021]

Further, the reason ~~why~~ why the current I1' is changed to the current I2' is to given energy enough to generate an arc at the short-circuit release time of the time TS3'.

Please replace paragraph [0032] with the following amended paragraph:

[0032]

A torch position command TPC 203 obtained by integrating this torch velocity ~~element~~ command TVC 201 by an integration element 202.

Please replace paragraph [0033] with the following amended paragraph:

[0033]

In case that the locus is taught the robot manipulator 109, it is general to appoint positions of a start point and an end

point. The reason ~~why~~ why the position loop 216 is required is that positioning cannot be carried out exactly by only a velocity loop 218.

Please replace paragraph [0140] with the following amended paragraph:

[0140]

A welding power supply unit 5 applies the predetermined welding current I and welding voltage V between the welding wire 1 and a base material 7 that is a workpiece through the welding torch 4 and a welding ~~chip~~ tip 6 thereby to generate an [[ark]] arc 8, and controls the wire feeding motor 3 to perform welding.

Please replace paragraph [0152] with the following amended paragraph:

[0152]

Further, the reason ~~why~~ why the current I' is changed to the current I2 is to given energy enough to generate an arc at the short-circuit release time of the time TS3.